

Title (en)

Use of lysozyme gene constructions in plants for enhanced resistance.

Title (de)

Verwendung von Lysozym gen-Konstruktionen in Pflanzen zur Resistenzerhöhung.

Title (fr)

Utilisation dans des plantes de constructions du gène de lysozyme pour obtenir une résistance élevée.

Publication

EP 0412381 A1 19910213 (DE)

Application

EP 90114532 A 19900728

Priority

DE 3926390 A 19890810

Abstract (en)

The present invention relates to the use of lysozyme gene constructions as "foreign" or "additional" DNA in plants for enhancing the resistance of plants to fungi and animal pests.

Abstract (de)

Die vorliegende Erfindung betrifft die Verwendung von Lysozym Gen-Konstruktionen als "fremde" oder "zusätzliche" DNA in Pflanzen zur Erhöhung der Resistenz von Pflanzen gegenüber Pilzen und tierischen Schädlingen.

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Citation (search report)

- [A] WO 8904371 A1 19890518 - UNIV LOUISIANA STATE [US]
- [A] EP 0184288 A1 19860611 - FBC LTD [GB]
- [XPO] BIOL. CHEM. HOPPE SEYLER, Band 370, 1989, Seite 888, Herbsttagung der Gesellschaft für Biologische Chemie, Osnabrück, DE; K. DÜRING et al.: "Synthesis, assembly and targetting of foreign chimeric proteins in transgenic Nicotiana tabacum cells"
- [A] EUROPEAN JOURNAL OF CELL BIOLOGY, Band 50, 1989, Seiten 230-234, Wissenschaftliche Verlagsgesellschaft mbH, Stuttgart, DE; S. HIPPE et al.: "In situ localization of a foreign protein in transgenic plants by immunoelectron microscopy following high pressure freezing. Freeze substitution and low temperature embedding"
- [AO] UCLA SYMP. MOL. CELL. BIOL., NEW SER., Band 22, 1985, CELLULAR AND MOLECULAR BIOLOGY OF PLANT STRESS, 1985, pages 247-262, Alan R. Liss, Inc.; T. BOLLER: "Induction of hydrolases as a defense reaction against pathogens"

Cited by

EP0612207A4; EP0461355A3; FR2665177A1; US5850025A; WO9924589A3; WO9304177A1

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